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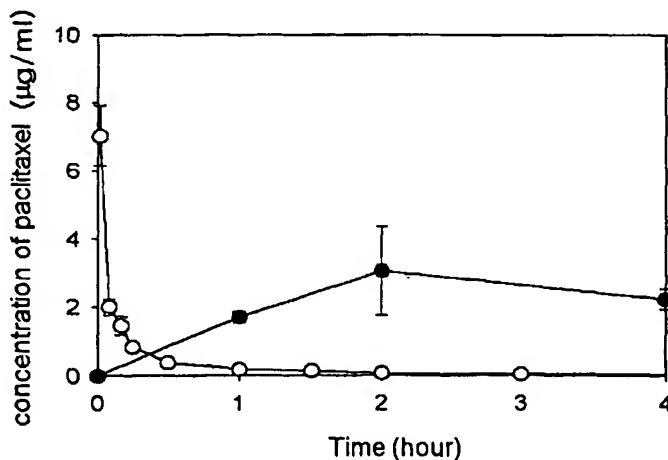
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(54) Title: COMPOSITION FOR SOLUBILIZATION OF PACLITAXEL AND PREPARATION METHOD THEREOF



(57) Abstract: The present invention relates to a paclitaxel composition and the preparation methods thereof to solubilize paclitaxel wherein said composition comprises 4~90% by weight of at least one selected from the monoglycerides, 0.01~90% by weight of at least one oil and 0.01~20% by weight of paclitaxel. Also the present invention relates to a paclitaxel composition including emulsifiers and the preparation methods thereof to solubilize paclitaxel wherein said composition comprises 4~90% by weight of at least one selected from the monoglycerides, 0.01~90% by weight of at least one oil, 0.01~90% by weight of at least one emulsifier

and 0.01~20% by weight of paclitaxel. The composition of the present invention is an effective paclitaxel delivery system since the composition solubilizes paclitaxel, does not form aggregates after being dispersed in water, adsorbs well on the intestinal wall, and therefore has high bioavailability.

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# INTERNATIONAL SEARCH REPORT

International application No.  
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## A. CLASSIFICATION OF SUBJECT MATTER

IPC7 A61K 31/337

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7; A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

STN Online, CA on CD, KIPASS

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO0213815A1 (Hanmi Pharm. Co.) 21 February 2002 (2002-02-21) page 2-7; claim 1, 33, 72 page 3, line 23-31; claim 12-16, 19, 24, 50-54, 57, 62 page 4, line 30-page 5, line 7; claim 25-26, 63-64 page 5, line 9-page 6, line 8; claim 42, 44-46 page 6, line 10-34; claim 2-6, 8-11, 34-38, 40-41, 48-49 page 7; claim 27, 65-	1-6, 8-16, 19, 24-27, 33-38, 40-42, 44-46, 48-54, 57, 62-65, 72
A	Alex Sparreboom et al., "Limited oral bioavailability and active epithelial excretion of paclitaxel (Taxol) caused by P-glycoprotein in the intestine", Proc. Natl. Acad. Sci. USA, 1997, 94, 2031-2035 whole document; claim 12, 15-23, 50, 53-61	12, 15-23, 50, 53-61
A	WO0101960A1 (Lipocine Inc.) 11 January 2001 (2001-01-11) page 4-5; claim 1, 33 page 6-10; claim 4-6, 8, 36-38, 40 page 25-26; claim 2-3, 34-35 section 2; claim 42-46 section 3; claim 11-13, 15-16, 18-19, 21-23, 49-51, 53-54, 56-57, 59-61	1-6, 8, 11-13, 15-16, 18-19, 21-23, 33-38, 40, 42-46, 49-51, 53- 54, 56-57, 59-61

☒ Further documents are listed in the continuation of Box C.

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C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT

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P, X	WO03045357A1 (Transform Pharmaceuticals, Inc.) 5 June 2003 (2003-06-05) claim 1, 2, 20-22 and page 17, line 21; claim 1, 28-33, 66-72 page 14, line 21-34; claim 2-6, 8, 34-38, 40 page 15, line 6-27; claim 10-11, 25-26, 48-49, 63-64 page 15, line 30-page 16, line 22; claim 42, 44-46 page 16, line 23-31; claim 12, 15-24, 50, 53-62 page 18-19; claim 27, 65 page 23, line 3; claim 13, 51	1-6, 8, 10-13, 15-38, 40, 42, 44-46, 48-51, 53-72
P, A	WO02064132A2 (Pharmacia & Upjohn Company) 22 August 2002 (2002-08-22) page 12, line 7-15; claim 1, 4, 8, 25-26, 33, 36, 40, 63-64 page 12, line 17-28; claim 2-3, 34-35 page 13, line 19; claim 42, 44-46 page 13, line 23-24; claim 10-12, 15, 48-50, 53 page 13, line 33; claim 16, 21, 24, 54, 59, 62	1-4, 8, 10-12, 15-16, 21, 24-26, 33-36, 40, 44-46, 48-50, 53-54, 59, 62-64

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